



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q77382

Yoshiaki SAKATANI, et al.

Appln. No.: 10/664,979

Group Art Unit: 1754

Confirmation No.: 4959

Examiner: Unknown

Filed: September 22, 2003

For: METHOD FOR PRODUCING TITANIUM OXIDE

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

<u>Serial No.</u>	<u>Applicant's Name</u>	<u>Filing Date</u>
10/732,367	K. OKUSAKO	December 11, 2003

1. E. Kanezaki et al., "Solid-state Chemistry of Thermally Induced Yellow Colouring in Synthetic Hydrous Titanium Oxide from  $\text{TiCl}_3$ ", *J. Chem. Soc. Faraday Trans.*, Vol. 88, No. 24, 1992, pp. 3583-3586.
2. Database WPI, Section Ch, Week 199802, Derwent Publications, Ltd., XP002268023 corresponding to JP 09-278443.
3. European Patent Application No. 1 127 844 A1, published August 29, 2001, to Showa Denko Kabushiki Kaisha.

SAKATANI et al.  
Appln. No. 10/664,979  
Information Disclosure Statement

4. German Patent Application No. DE 44 10 662 C1, published September 21, 1995, to Jungbunzlauer Ladenburg GMBH.
5. U.S. Patent No. 2,480,092, issued August 23, 1949, to Whately.
6. U.S. Patent No. 4,165,239, issued August 21, 1979, to Linden et al.
7. U.S. Patent Application Publication No. 2002/0005145 A1, published January 17, 2002, to Sherman.
8. European Patent Application No. 1 338 564 A2, published August 27, 2008, to Sumitomo Chemical Co., Ltd.
9. European Patent Application No. 1 279 643 A2, published January 29, 2003, to Sumitomo Chemical Co., Ltd. This reference was previously identified in an IDS.
10. European Patent Application No. 1 031 538 A1, published August 30, 2000, to Saga Prefecture.
11. Abstract of Fang et al., "Preparation of fine spherical titania particles by thermolysis of the peroxo complex", *STN Chemical Abstracts*, Vol. 120, No. 8, February 21, 1994 (XP-002139805).
12. European Patent Application No. 0 846 494 A1, published June 10, 1998, to Tao Inc. et al.
13. European Patent Application No. 1 178 011 A1, published February 6, 2002, to Sumitomo Chemical Co., Ltd. This reference was previously identified in an IDS.
14. Patent Abstracts of Japan, Vol. 1997, No. 07, July 31, 1997 (corresponding to JP 09-071418).

One copy of each of the listed documents, other than any U.S. patents and patent publications, is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

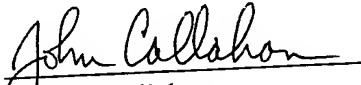
SAKATANI et al.  
Appln. No. 10/664,979  
Information Disclosure Statement

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a Communication from a foreign patent office in a counterpart application citing such documents, together with an English-language version (if not already included) of at least that portion of the Communication indicating the degree of relevance found by the foreign patent office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,

  
John T. Callahan  
Registration No. 32,607

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: April 19, 2004

Substitute for Form 1449 A &amp; B/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

Application Number 10/664,979  
 Confirmation Number 4959  
 Filing Date September 22, 2003  
 First Named Inventor Yoshiaki SAKATANI  
 Art Unit 1754  
 Examiner Name Unknown  
 Attorney Docket Number Q77382

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 2,480,092		08-23-1949	Whately
		US 4,165,239		08-21-1979	Linden et al.
		US 2002/0005145	A1	01-17-2002	Sherman
		US 10/732,367		12-11-2003	Okusako
		US			
		US			
		US			
		US			
		US			

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		EP	1 127 844	A1	08-29-2001	Showa Denko Kabushiki Kaisha	
		EP	44 10 662	C1	09-21-1995	Jungbunzlauer Ladenberg GmbH	No
		EP	1 338 564	A2	08-27-2003	Sumitomo Chemical Co., Ltd.	
		EP	1 279 643	A2	01-29-2003	Sumitomo Chemical Co., Ltd.	
		EP	1 031 538	A1	08-30-2000	Saga Prefecture	
		EP	0 846 494	A1	06-10-1998	Tao Inc. et al.	
		EP	1 178 011	A1	02-06-2002	Sumitomo Chemical Co., Ltd.	

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		E. Kanezaki et al., "Solid-state Chemistry of Thermally Induced Yellow Colouring in Synthetic Hydrous Titanium Oxide from TiCl <sub>3</sub> ", J. Chem. Soc. Faraday Trans., Vol. 88, No. 24, 1992, pp. 3583-3586	
		Abstract of Fang et al., "Preparation of fine spherical titania particles by thermolysis of the peroxo complex", STN Chemical Abstracts, Vol. 120, No. 8, February 21, 1994 (XP-002139805)	
		Patent Abstracts of Japan, Vol. 1997, No. 07, July 31, 1997 (corresponding to JP 09-071418)	
		Database WPI, Section Ch, Week 199802, Derwent Publications, Ltd., XP002268023 corresponding to JP 09-278443	

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.